

Mission Order Generated on:2019-04-03 07:43:29.239123

** Basic Survey Information **

Mission/Deployment Name: ITC standard and KMCO check

Mission Order Number: 020

Flight Window: 3 April 2019 0830(Local)

Overall Mission Objectives: - Photographic
 - Chemical

Specific Mission Objectives:

Objective 1. Conduct a complete chem mission over KMCO. At the end of the mission copy data and start a new mission for objective 2.

Objective 2. Conduct a complete chem mission over ITC

Communications will be accomplished using Pidgin
Contact person is: Tim (816-718-4281)

Special Instructions:

Make certain that all data is copied and a new mission is started prior to starting ITC

Debrief Time: EOF

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** Target Description **

Mission 1, Target is the KMCO facility. Fly over the site and two passes downwind at 50 and 500 meters. Farther ER distances are not needed.

Mission 2. Target is the tank farm, downwind of the tank farm and the confluence area.

** Mission Design **

The position of the ER is not known.

The ER flight profile will consist of:

Line 1 ==== 50 to 100 meters downwind of the incident
Line 2 ==== 500 meters downwind of the incident
Line 3 ==== 1000 meters downwind of the incident
Line 4 ==== Line up the plume
Line 5 ==== 200 meters upwind of the incident

** Navigational/GPS Data **

Latitude data was not given
Longitude data was not given

** INS Data and Time **

Software: Use Vector_Nav_Collect for GPS/INS data
Make certain that the time source is active and locked prior to system startup

Crew Reporting Elements:

1. Temperature at flight level?
2. Wind direction and speed at flight level?
3. Nature of the incident and/or plume?
4. Plume/smoke color?
5. Is the plume rising or staying close to the ground?
6. What direction is the plume/smoke moving?

***** ASPECT Mission Order *****

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** Photo Parameters **

Camera System Operate

Nikon	
MSIC	X
Oblique	X
Video	X

Altitude (AGL) = 2800 Ft
Air Speed = 110 Kts
Frame Interval = 6 Seconds

If the oblique camera is used:

1. Set the Date
2. Set the Time
3. Shoot frames from the copilot position

Software needed for the MSIC:

1. Start Event Timers
2. MSIC Software

Software needed for the Video:

1. VCR_drive_Controller

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***** ASPECT Mission Order *****

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** Chemical Parameters **

Chemical Collection Altitude =2800 Ft AGL
Collect Data with the FTIR Sensor

FTIR Resolution = 16 cm-1

Mission Specific FTIR Notes

Collect Data with the IRLS Sensor

TA Blackbody = Auto Mode
TB Blackbody = Auto Mode

Mission Specific IRLS Notes

Check and Sync the IRLS computer time
Confirm that the unit has cooled down (T = 1.06V)

Software: Use RS800 BB Log for auto Blackbody operation

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